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Supplementary Table 1. Total study populations (deceased and survivor) of dogs and cats by survey year

	Year of survey						
	2013	2014	2015	2016	2017	2018	2019
Dogs, n (%)							
All	1,625,465	1,746,393	1,838,930	1,922,181	1,996,815	2,061,890	2,101,255
Toy	343,931 (21.2)	374,413 (21.4)	398,655 (21.7)	418,651 (21.8)	434,370 (21.8)	445,490 (21.6)	448,831 (21.4)
Small	486,809 (29.9)	517,069 (29.6)	537,641 (29.2)	554,434 (28.8)	568,162 (28.5)	577,572 (28.0)	580,165 (27.6)
Medium	220,157 (13.5)	233,013 (13.3)	243,419 (13.2)	253,306 (13.2)	262,341 (13.1)	271,937 (13.2)	278,611 (13.3)
Large	497,326 (30.6)	537,997 (30.8)	568,740 (30.9)	600,060 (31.2)	627,846 (31.4)	650,409 (31.5)	664,387 (31.6)
Giant	22,500 (1.4)	24,197 (1.4)	25,831 (1.4)	26,693 (1.4)	27,494 (1.4)	27,926 (1.4)	28,046 (1.3)
Mixed breed	54,742 (3.4)	59,704 (3.4)	64,644 (3.5)	69,037 (3.6)	76,602 (3.8)	88,556 (4.3)	101,215 (4.8)
Cats, n (%)							
All	299,501	319,328	333,417	344,045	354,107	364,203	375,477
Purebred	48,221 (16.1)	50,634 (15.9)	51,880 (15.6)	53,234 (15.5)	55,635 (15.7)	59,269 (16.3)	62,339 (16.6)
Mixed breed	251,280 (83.9)	268,694 (84.1)	281,537 (84.4)	290,811 (84.5)	298,472 (84.3)	304,934 (83.7)	313,138 (83.4)

Supplementary Table 2. Rates of return visits of dogs and cats by survey year

Year	Dogs			Cats		
	Total population, n	Population returning within 2 years, n	Return rate, %	Total population, n	Population returning within 2 years, n	Return rate, %
2013	1,625,465	1,215,470	74.8	299,501	184,076	61.5
2014	1,746,393	1,321,611	75.7	319,328	199,186	62.4
2015	1,838,930	1,406,273	76.5	333,417	212,093	63.6
2016	1,922,181	1,481,931	77.1	344,045	222,938	64.8
2017	1,996,815	1,549,539	77.6	354,107	231,714	65.4
2018	2,061,890	1,588,491	77.0	364,203	237,057	65.1
2019	2,101,255	1,594,157	75.9	375,477	234,642	62.5

Supplementary Table 3. Total study populations (deceased and survivor) of dogs and cats by sex and sterilization status

	Female			Male		
	Total	Spayed	Entire	Total	Neutered	Entire
Dogs, n (%)						
All	6,377,544 (48.0)	5,824,584 (91.3)	552,960 (8.7)	6,915,385 (52.0)	5,988,681 (86.6)	926,704 (13.4)
Toy	1,376,384 (48.1)	1,201,899 (87.3)	174,485 (12.7)	1,487,957 (51.9)	1,256,441 (84.4)	231,516 (15.6)
Small	1,770,300 (46.3)	1,633,007 (92.2)	137,293 (7.8)	2,051,552 (53.7)	1,823,934 (88.9)	227,618 (11.1)
Medium	861,999 (48.9)	813,233 (94.3)	48,766 (5.7)	900,785 (51.1)	812,791 (90.2)	87,994 (9.8)
Large	2,022,440 (48.8)	1,858,113 (91.9)	164,327 (8.1)	2,124,325 (51.2)	1,793,769 (84.4)	330,556 (15.6)
Giant	80,601 (44.1)	71,265 (88.4)	9,336 (11.6)	102,086 (55.9)	80,331 (78.7)	21,755 (21.3)
Mixed breed	265,820 (51.7)	247,067 (92.9)	18,753 (7.1)	248,680 (48.3)	221,415 (89.0)	27,265 (11.0)
Cats, n (%)						
All	1,200,205 (50.2)	1,153,123 (96.1)	47,082 (3.9)	1,189,873 (49.8)	1,152,646 (96.9)	37,227 (3.1)
Purebred	206,314 (54.1)	198,176 (96.1)	8,138 (3.9)	174,898 (45.9)	169,515 (96.9)	5,383 (3.1)
Mixed breed	993,891 (49.5)	954,947 (96.1)	38,944 (3.9)	1,014,975 (50.5)	983,131 (96.9)	31,844 (3.1)

Supplementary Table 4. Total study populations (deceased and survivor) of purebred and mixed-breed dogs and cats by age interval

Age interval, years	Dogs, n (%)					Cats , n (%)	
	Purebred dog size group					Mixed-breed dogs	Purebred cats
	Toy	Small	Medium	Large	Giant		
0–1	319,530 (19.3)	344,599 (20.9)	206,998 (12.5)	673,838 (40.8)	37,212 (2.3)	70,301 (4.3)	49,084 (14.3)
1–2	265,241 (19.7)	308,981 (23.0)	173,316 (12.9)	512,931 (38.1)	27,249 (2.0)	58,476 (4.3)	35,140 (14.7)
2–3	245,382 (20.6)	291,429 (24.5)	151,714 (12.8)	428,259 (36.0)	21,156 (1.8)	50,962 (4.3)	28,098 (14.7)
3–4	239,638 (21.7)	289,106 (26.2)	139,278 (12.6)	373,711 (33.8)	17,676 (1.6)	45,407 (4.1)	25,164 (15.0)
4–5	243,835 (22.6)	299,695 (27.7)	134,809 (12.5)	343,215 (31.8)	16,362 (1.5)	42,223 (3.9)	23,754 (15.3)
5–6	236,769 (23.1)	299,264 (29.2)	127,734 (12.5)	307,597 (30.0)	14,231 (1.4)	38,588 (3.8)	22,680 (15.7)
6–7	222,930 (23.3)	291,443 (30.5)	120,309 (12.6)	273,446 (28.6)	12,412 (1.3)	34,314 (3.6)	21,280 (16.3)
7–8	212,667 (23.3)	289,927 (31.7)	117,501 (12.9)	251,771 (27.5)	10,636 (1.2)	31,665 (3.5)	20,734 (16.6)
8–9	194,115 (23.0)	275,681 (32.6)	111,735 (13.2)	226,828 (26.8)	8,805 (1.0)	28,517 (3.4)	20,171 (16.8)
9–10	168,482 (22.4)	251,001 (33.3)	103,099 (13.7)	198,889 (26.4)	6,794 (0.9)	24,945 (3.3)	18,584 (17.0)
10–11	146,594 (21.9)	227,209 (33.9)	96,347 (14.4)	173,009 (25.8)	4,665 (0.7)	22,833 (3.4)	19,221 (17.3)
11–12	115,357 (21.2)	189,525 (34.8)	82,499 (15.1)	136,731 (25.1)	2,785 (0.5)	18,459 (3.4)	16,672 (17.4)
12–13	89,177 (20.5)	155,410 (35.7)	69,611 (16.0)	104,520 (24.0)	1,498 (0.3)	15,705 (3.6)	16,328 (17.5)
13–14	66,329 (20.3)	121,224 (37.0)	54,525 (16.7)	71,898 (22.0)	737 (0.2)	12,533 (3.8)	15,175 (17.8)
14–15	45,598 (20.7)	86,624 (39.3)	37,409 (17.0)	41,154 (18.7)	308 (0.1)	9,059 (4.1)	13,761 (18.0)
15–16	28,057 (21.9)	54,059 (42.2)	21,270 (16.6)	18,746 (14.6)	119 (0.1)	5,714 (4.5)	11,635 (17.5)
16–17	14,273 (23.1)	28,307 (45.9)	9,366 (15.2)	6,895 (11.2)	29 (0.0)	2,834 (4.6)	9,263 (18.0)
17 +	10,452 (26.3)	18,435 (46.4)	5,300 (13.3)	3,452 (8.7)	16 (0.0)	2,056 (5.2)	14,602 (17.0)
							71,205 (83.0)

Supplementary Table 5. Total study populations (deceased and survivor) of purebred and mixed-breed dogs and cats by body condition score

	Body condition score				
	1	2	3	4	5
Dogs, n (%)					
All	24,028 (0.2)	179,048 (1.4)	9,632,272 (72.7)	3,210,236 (24.2)	200,467 (1.5)
Toy	4,651 (0.2)	34,738 (1.2)	2,198,462 (77.0)	583,606 (20.4)	33,520 (1.2)
Small	5,460 (0.1)	39,111 (1.0)	2,759,686 (72.4)	949,511 (24.9)	55,518 (1.5)
Medium	2,933 (0.2)	23,628 (1.3)	1,187,080 (67.6)	505,932 (28.8)	36,869 (2.1)
Large	9,189 (0.2)	69,206 (1.7)	2,971,935 (71.9)	1,015,140 (24.6)	65,415 (1.6)
Giant	419 (0.2)	3,929 (2.2)	144,363 (79.4)	31,251 (17.2)	1,785 (1.0)
Mixed breed	1,376 (0.3)	8,436 (1.6)	370,746 (72.3)	124,796 (24.3)	7,360 (1.4)
Cats, n (%)					
All	44,188 (1.9)	187,188 (7.9)	1,390,147 (58.5)	671,025 (28.2)	85,065 (3.6)
Purebred	6,924 (1.8)	32,017 (8.4)	236,545 (62.4)	92,637 (24.4)	10,810 (2.9)
Mixed breed	37,264 (1.9)	155,171 (7.8)	1,153,602 (57.7)	578,388 (28.9)	74,255 (3.7)

Supplementary Table 6. Total study populations (deceased and survivor) of dogs and cats by body condition score by year

Year	Body condition score				
	1	2	3	4	5
Dogs, n (%)					
2013	6,521 (0.4)	40,065 (2.5)	1,092,295 (68.7)	418,524 (26.3)	33,513 (2.1)
2014	4,615 (0.3)	33,532 (1.9)	1,234,024 (70.8)	438,926 (25.2)	31,296 (1.8)
2015	3,346 (0.2)	27,091 (1.5)	1,326,507 (72.2)	450,862 (24.6)	28,485 (1.6)
2016	2,593 (0.1)	22,498 (1.2)	1,408,848 (73.4)	459,614 (23.9)	26,456 (1.4)
2017	2,345 (0.1)	20,197 (1.0)	1,474,411 (73.9)	472,356 (23.7)	26,194 (1.3)
2018	2,322 (0.1)	18,471 (0.9)	1,532,198 (74.3)	481,162 (23.3)	26,674 (1.3)
2019	2,286 (0.1)	17,194 (0.8)	1,563,989 (74.5)	488,792 (23.3)	27,849 (1.3)
Cats, n (%)					
2013	10,058 (3.5)	32,012 (11.0)	154,261 (53.2)	81,316 (28.0)	12,477 (4.3)
2014	8,308 (2.6)	31,441 (9.9)	179,168 (56.3)	87,122 (27.4)	12,359 (3.9)
2015	6,797 (2.0)	29,170 (8.8)	193,601 (58.2)	91,471 (27.5)	11,634 (3.5)
2016	5,207 (1.5)	26,001 (7.6)	204,799 (59.6)	95,837 (27.9)	11,555 (3.4)
2017	5,000 (1.4)	24,499 (6.9)	212,231 (60.0)	100,373 (28.4)	11,761 (3.3)
2018	4,451 (1.2)	22,367 (6.1)	219,858 (60.4)	105,135 (28.9)	12,185 (3.3)
2019	4,367 (1.2)	21,698 (5.8)	226,229 (60.3)	109,771 (29.3)	13,094 (3.5)

Supplementary Table 7. Life expectancies at birth of purebred and mixed-breed dogs and cats by survey year

	Year of survey							
	2013	2014	2015	2016	2017	2018	2019	Overall
Dogs LE_{birth}, years (95% CI)								
Purebred dogs by size group								
Toy	12.85 (12.79–12.92)	12.99 (12.93–13.06)	13.22 (13.15–13.28)	13.37 (13.32–13.43)	13.53 (13.47–13.59)	13.66 (13.6–13.71)	13.58 (13.52–13.63)	13.36 (13.33–13.38)
Small	13.13 (13.08–13.18)	13.19 (13.14–13.23)	13.41 (13.36–13.45)	13.58 (13.53–13.63)	13.69 (13.64–13.73)	13.79 (13.74–13.83)	13.79 (13.74–13.83)	13.53 (13.52–13.55)
Medium	12.38 (12.32–12.44)	12.52 (12.46–12.58)	12.54 (12.49–12.6)	12.75 (12.69–12.8)	12.82 (12.76–12.87)	12.87 (12.81–12.92)	12.94 (12.88–12.99)	12.7 (12.68–12.72)
Large	11.22 (11.18–11.26)	11.29 (11.25–11.33)	11.39 (11.35–11.42)	11.56 (11.53–11.6)	11.6 (11.56–11.63)	11.7 (11.66–11.73)	11.7 (11.66–11.73)	11.51 (11.49–11.52)
Giant	9.1 (8.92–9.27)	9.44 (9.27–9.61)	9.48 (9.31–9.66)	9.43 (9.27–9.58)	9.53 (9.39–9.68)	9.82 (9.63–10.02)	9.7 (9.54–9.85)	9.51 (9.45–9.58)
Mixed breed	12.15 (12.02–12.28)	12.4 (12.27–12.54)	12.53 (12.4–12.65)	12.66 (12.54–12.78)	12.92 (12.8–13.03)	12.98 (12.87–13.09)	12.98 (12.88–13.08)	12.71 (12.67–12.76)
Cats LE_{birth}, years (95% CI)								
Purebred	10.84 (10.68–11.0)	11.03 (10.87–11.18)	11.4 (11.25–11.56)	11.65 (11.5–11.81)	11.76 (11.61–11.91)	12.1 (11.95–12.25)	11.85 (11.7–12.0)	11.54 (11.48–11.6)
Mixed-breed	10.29 (10.22–10.35)	10.44 (10.37–10.5)	10.83 (10.76–10.89)	11.24 (11.17–11.3)	11.43 (11.37–11.49)	11.79 (11.72–11.85)	11.69 (11.63–11.76)	11.12 (11.09–11.14)

CI, confidence interval; LE_{birth}, life expectancy at birth.

Supplementary Table 8. Life expectancies of purebred and mixed-breed dogs and cats by age interval and survey year

	Age interval, years	Year of survey						
		2013	2014	2015	2016	2017	2018	2019
Dogs LE, years (95% CI)								
Toy	0–1	12.85 (12.79–12.92)	12.99 (12.93–13.06)	13.22 (13.15–13.28)	13.37 (13.32–13.43)	13.53 (13.47–13.59)	13.66 (13.6–13.71)	13.58 (13.52–13.63)
	1–2	12.36 (12.3–12.43)	12.52 (12.45–12.58)	12.66 (12.6–12.73)	12.8 (12.75–12.86)	12.94 (12.89–13.0)	13.04 (12.99–13.1)	12.97 (12.92–13.02)
	2–3	11.52 (11.46–11.59)	11.68 (11.61–11.74)	11.81 (11.75–11.88)	11.94 (11.89–12.0)	12.08 (12.02–12.13)	12.16 (12.11–12.21)	12.09 (12.04–12.14)
	3–4	10.65 (10.59–10.72)	10.79 (10.73–10.85)	10.94 (10.88–11.0)	11.05 (11.0–11.11)	11.19 (11.13–11.24)	11.26 (11.21–11.31)	11.19 (11.14–11.24)
	4–5	9.77 (9.7–9.83)	9.92 (9.86–9.98)	10.04 (9.98–10.1)	10.17 (10.11–10.22)	10.28 (10.23–10.33)	10.36 (10.31–10.41)	10.28 (10.24–10.33)
	5–6	8.88 (8.82–8.95)	9.02 (8.96–9.08)	9.15 (9.09–9.21)	9.27 (9.21–9.32)	9.38 (9.32–9.43)	9.45 (9.4–9.5)	9.38 (9.34–9.43)
	6–7	8.01 (7.94–8.07)	8.14 (8.08–8.2)	8.28 (8.22–8.34)	8.38 (8.33–8.44)	8.49 (8.44–8.55)	8.56 (8.51–8.61)	8.49 (8.45–8.54)
	7–8	7.15 (7.09–7.22)	7.27 (7.21–7.34)	7.41 (7.35–7.47)	7.51 (7.46–7.57)	7.62 (7.56–7.67)	7.69 (7.64–7.73)	7.62 (7.58–7.67)
	8–9	6.32 (6.25–6.38)	6.43 (6.37–6.5)	6.56 (6.5–6.62)	6.66 (6.6–6.71)	6.77 (6.71–6.82)	6.83 (6.78–6.88)	6.77 (6.73–6.81)
	9–10	5.53 (5.47–5.6)	5.64 (5.58–5.7)	5.77 (5.71–5.83)	5.85 (5.8–5.91)	5.96 (5.91–6.01)	6.02 (5.97–6.07)	5.97 (5.92–6.01)
	10–11	4.81 (4.74–4.87)	4.88 (4.82–4.95)	5.04 (4.98–5.1)	5.1 (5.04–5.15)	5.2 (5.15–5.25)	5.25 (5.21–5.3)	5.22 (5.17–5.26)
	11–12	4.17 (4.1–4.23)	4.21 (4.14–4.27)	4.35 (4.29–4.41)	4.42 (4.37–4.48)	4.5 (4.45–4.55)	4.55 (4.5–4.6)	4.52 (4.48–4.57)
	12–13	3.55 (3.48–3.62)	3.61 (3.54–3.67)	3.76 (3.7–3.83)	3.8 (3.74–3.86)	3.87 (3.82–3.93)	3.92 (3.87–3.97)	3.88 (3.84–3.93)
	13–14	3.05 (2.97–3.12)	3.08 (3.01–3.15)	3.23 (3.16–3.3)	3.24 (3.18–3.3)	3.32 (3.26–3.38)	3.35 (3.3–3.41)	3.32 (3.28–3.37)
	14–15	2.59 (2.51–2.67)	2.61 (2.54–2.69)	2.77 (2.7–2.85)	2.77 (2.71–2.84)	2.84 (2.77–2.91)	2.87 (2.81–2.93)	2.85 (2.8–2.91)
	15–16	2.26 (2.17–2.35)	2.31 (2.22–2.4)	2.44 (2.35–2.53)	2.4 (2.32–2.48)	2.47 (2.39–2.55)	2.5 (2.43–2.57)	2.47 (2.41–2.53)
	16–17	2.04 (1.93–2.16)	2.12 (2.0–2.23)	2.21 (2.1–2.33)	2.15 (2.06–2.25)	2.26 (2.16–2.36)	2.23 (2.14–2.31)	2.23 (2.15–2.31)
	17+	1.93 (1.77–2.09)	1.92 (1.78–2.07)	2.09 (1.93–2.24)	1.99 (1.86–2.12)	2.11 (1.98–2.24)	2.07 (1.96–2.18)	2.08 (1.97–2.18)
Small	0–1	13.13 (13.08–13.18)	13.19 (13.14–13.23)	13.41 (13.36–13.45)	13.58 (13.53–13.63)	13.69 (13.64–13.73)	13.79 (13.74–13.83)	13.79 (13.74–13.83)
	1–2	12.47 (12.42–12.52)	12.51 (12.46–12.55)	12.69 (12.64–12.73)	12.84 (12.8–12.89)	12.96 (12.92–13.0)	13.04 (13.0–13.08)	13.02 (12.98–13.06)
	2–3	11.59 (11.55–11.64)	11.64 (11.59–11.68)	11.8 (11.76–11.84)	11.94 (11.9–11.99)	12.05 (12.01–12.09)	12.13 (12.09–12.17)	12.1 (12.07–12.14)
	3–4	10.69 (10.64–10.73)	10.73 (10.69–10.77)	10.89 (10.85–10.93)	11.02 (10.98–11.07)	11.13 (11.09–11.17)	11.2 (11.16–11.24)	11.18 (11.14–11.21)
	4–5	9.79 (9.74–9.83)	9.84 (9.8–9.88)	9.98 (9.94–10.02)	10.12 (10.07–10.16)	10.21 (10.17–10.25)	10.28 (10.24–10.32)	10.26 (10.22–10.3)
	5–6	8.9 (8.85–8.94)	8.94 (8.9–8.99)	9.08 (9.04–9.12)	9.21 (9.17–9.26)	9.31 (9.27–9.35)	9.36 (9.32–9.4)	9.35 (9.31–9.39)
	6–7	8.01 (7.97–8.05)	8.06 (8.02–8.11)	8.19 (8.15–8.23)	8.31 (8.27–8.35)	8.41 (8.37–8.45)	8.46 (8.42–8.49)	8.44 (8.41–8.48)
	7–8	7.14 (7.1–7.18)	7.19 (7.15–7.23)	7.31 (7.27–7.35)	7.43 (7.39–7.47)	7.53 (7.5–7.57)	7.57 (7.53–7.6)	7.56 (7.52–7.59)
	8–9	6.3 (6.26–6.35)	6.34 (6.3–6.38)	6.46 (6.42–6.5)	6.58 (6.54–6.62)	6.67 (6.63–6.71)	6.7 (6.67–6.74)	6.69 (6.65–6.72)
	9–10	5.52 (5.47–5.56)	5.54 (5.5–5.58)	5.66 (5.62–5.7)	5.76 (5.72–5.8)	5.85 (5.82–5.89)	5.89 (5.85–5.92)	5.88 (5.85–5.91)
	10–11	4.77 (4.72–4.81)	4.79 (4.75–4.83)	4.91 (4.87–4.95)	5.01 (4.97–5.05)	5.1 (5.06–5.13)	5.12 (5.09–5.16)	5.11 (5.08–5.15)
	11–12	4.09 (4.05–4.14)	4.11 (4.07–4.15)	4.21 (4.18–4.25)	4.32 (4.28–4.36)	4.4 (4.36–4.44)	4.42 (4.38–4.45)	4.41 (4.37–4.44)
	12–13	3.49 (3.44–3.53)	3.51 (3.47–3.55)	3.59 (3.55–3.63)	3.68 (3.63–3.72)	3.76 (3.72–3.8)	3.78 (3.74–3.81)	3.76 (3.73–3.79)

	13–14	2.96 (2.92–3.01)	2.97 (2.92–3.01)	3.04 (3.0–3.08)	3.13 (3.09–3.17)	3.2 (3.16–3.24)	3.23 (3.19–3.26)	3.2 (3.16–3.23)
	14–15	2.52 (2.48–2.57)	2.51 (2.47–2.56)	2.6 (2.56–2.65)	2.67 (2.62–2.71)	2.74 (2.69–2.78)	2.74 (2.7–2.79)	2.73 (2.69–2.77)
	15–16	2.19 (2.14–2.25)	2.15 (2.1–2.2)	2.28 (2.22–2.33)	2.33 (2.28–2.38)	2.39 (2.34–2.45)	2.38 (2.33–2.42)	2.36 (2.31–2.4)
	16–17	1.96 (1.89–2.03)	1.93 (1.87–2.0)	2.02 (1.95–2.08)	2.13 (2.06–2.2)	2.17 (2.1–2.24)	2.12 (2.06–2.18)	2.1 (2.05–2.16)
	17+	1.83 (1.73–1.93)	1.79 (1.71–1.88)	1.89 (1.79–1.98)	1.99 (1.9–2.09)	2.08 (1.99–2.18)	2.01 (1.93–2.09)	1.97 (1.89–2.04)
Medium	0–1	12.38 (12.32–12.44)	12.52 (12.46–12.58)	12.54 (12.49–12.6)	12.75 (12.69–12.8)	12.82 (12.76–12.87)	12.87 (12.81–12.92)	12.94 (12.88–12.99)
	1–2	11.68 (11.62–11.74)	11.78 (11.72–11.83)	11.77 (11.72–11.83)	11.96 (11.9–12.02)	12.03 (11.97–12.08)	12.08 (12.02–12.13)	12.14 (12.09–12.2)
	2–3	10.78 (10.73–10.84)	10.87 (10.82–10.93)	10.88 (10.82–10.93)	11.05 (11.0–11.11)	11.12 (11.07–11.18)	11.16 (11.1–11.21)	11.23 (11.18–11.28)
	3–4	9.88 (9.82–9.94)	9.95 (9.9–10.01)	9.96 (9.91–10.02)	10.14 (10.08–10.19)	10.2 (10.15–10.26)	10.24 (10.18–10.29)	10.31 (10.26–10.36)
	4–5	8.98 (8.93–9.04)	9.05 (9.0–9.11)	9.04 (8.99–9.09)	9.22 (9.17–9.28)	9.29 (9.24–9.34)	9.32 (9.27–9.37)	9.38 (9.33–9.44)
	5–6	8.1 (8.04–8.15)	8.16 (8.11–8.22)	8.14 (8.09–8.19)	8.32 (8.27–8.37)	8.37 (8.32–8.42)	8.42 (8.37–8.47)	8.49 (8.44–8.54)
	6–7	7.23 (7.18–7.28)	7.29 (7.23–7.34)	7.27 (7.22–7.32)	7.43 (7.38–7.48)	7.47 (7.42–7.52)	7.52 (7.47–7.57)	7.58 (7.53–7.63)
	7–8	6.37 (6.32–6.42)	6.43 (6.38–6.48)	6.4 (6.35–6.45)	6.57 (6.52–6.62)	6.61 (6.56–6.66)	6.64 (6.6–6.69)	6.71 (6.66–6.76)
	8–9	5.59 (5.54–5.64)	5.62 (5.57–5.66)	5.58 (5.54–5.63)	5.74 (5.7–5.79)	5.77 (5.72–5.82)	5.82 (5.77–5.86)	5.87 (5.82–5.91)
	9–10	4.82 (4.77–4.87)	4.85 (4.8–4.9)	4.81 (4.77–4.86)	4.97 (4.92–5.02)	5.0 (4.95–5.04)	5.03 (4.99–5.08)	5.09 (5.05–5.14)
	10–11	4.12 (4.07–4.17)	4.14 (4.09–4.19)	4.1 (4.06–4.15)	4.26 (4.21–4.31)	4.28 (4.24–4.33)	4.33 (4.29–4.37)	4.36 (4.32–4.41)
	11–12	3.51 (3.46–3.55)	3.53 (3.48–3.57)	3.49 (3.45–3.53)	3.64 (3.59–3.68)	3.65 (3.61–3.7)	3.69 (3.65–3.74)	3.73 (3.69–3.77)
	12–13	2.97 (2.92–3.02)	2.99 (2.94–3.03)	2.96 (2.92–3.0)	3.08 (3.04–3.13)	3.12 (3.07–3.16)	3.14 (3.09–3.18)	3.16 (3.11–3.2)
	13–14	2.51 (2.46–2.56)	2.54 (2.49–2.58)	2.5 (2.45–2.54)	2.63 (2.58–2.68)	2.66 (2.61–2.71)	2.66 (2.62–2.71)	2.69 (2.64–2.73)
	14–15	2.18 (2.12–2.23)	2.18 (2.12–2.23)	2.14 (2.1–2.19)	2.27 (2.21–2.33)	2.33 (2.27–2.39)	2.28 (2.23–2.33)	2.32 (2.26–2.38)
	15–16	1.92 (1.85–1.99)	1.91 (1.84–1.98)	1.87 (1.81–1.93)	2.06 (1.98–2.13)	2.1 (2.02–2.17)	2.0 (1.94–2.06)	2.06 (1.99–2.13)
	16–17	1.8 (1.7–1.9)	1.77 (1.68–1.87)	1.7 (1.62–1.78)	1.93 (1.82–2.04)	1.94 (1.84–2.04)	1.82 (1.73–1.9)	1.9 (1.8–1.99)
	17+	1.7 (1.56–1.83)	1.66 (1.53–1.79)	1.59 (1.48–1.71)	1.82 (1.66–1.98)	1.85 (1.7–1.99)	1.76 (1.64–1.89)	1.9 (1.75–2.05)
Large	0–1	11.22 (11.18–11.26)	11.29 (11.25–11.33)	11.39 (11.35–11.42)	11.56 (11.53–11.6)	11.6 (11.56–11.63)	11.7 (11.66–11.73)	11.7 (11.66–11.73)
	1–2	10.63 (10.59–10.67)	10.69 (10.65–10.73)	10.73 (10.7–10.77)	10.88 (10.84–10.91)	10.9 (10.86–10.93)	10.98 (10.95–11.01)	10.97 (10.93–11.0)
	2–3	9.77 (9.74–9.81)	9.83 (9.79–9.87)	9.86 (9.83–9.9)	10.0 (9.96–10.03)	10.01 (9.98–10.04)	10.09 (10.06–10.12)	10.08 (10.05–10.12)
	3–4	8.9 (8.87–8.94)	8.94 (8.9–8.98)	8.97 (8.94–9.01)	9.09 (9.06–9.13)	9.11 (9.08–9.14)	9.19 (9.15–9.22)	9.19 (9.15–9.22)
	4–5	8.01 (7.98–8.05)	8.06 (8.02–8.09)	8.08 (8.04–8.11)	8.2 (8.17–8.23)	8.21 (8.18–8.24)	8.28 (8.25–8.31)	8.28 (8.25–8.31)
	5–6	7.14 (7.1–7.18)	7.18 (7.15–7.22)	7.19 (7.16–7.23)	7.31 (7.28–7.34)	7.32 (7.29–7.35)	7.39 (7.35–7.42)	7.4 (7.37–7.43)
	6–7	6.29 (6.26–6.33)	6.33 (6.3–6.37)	6.34 (6.31–6.37)	6.45 (6.41–6.48)	6.46 (6.43–6.49)	6.52 (6.49–6.55)	6.54 (6.51–6.57)
	7–8	5.48 (5.45–5.52)	5.52 (5.48–5.55)	5.53 (5.5–5.57)	5.63 (5.59–5.66)	5.63 (5.6–5.66)	5.69 (5.66–5.72)	5.71 (5.68–5.74)
	8–9	4.73 (4.7–4.77)	4.76 (4.73–4.8)	4.77 (4.74–4.81)	4.86 (4.83–4.89)	4.86 (4.83–4.89)	4.91 (4.88–4.94)	4.93 (4.9–4.96)
	9–10	4.05 (4.02–4.09)	4.09 (4.05–4.12)	4.08 (4.05–4.11)	4.16 (4.13–4.19)	4.16 (4.13–4.19)	4.21 (4.18–4.24)	4.22 (4.19–4.25)
	10–11	3.46 (3.43–3.49)	3.49 (3.45–3.52)	3.48 (3.45–3.51)	3.54 (3.51–3.57)	3.54 (3.51–3.57)	3.59 (3.56–3.62)	3.62 (3.59–3.65)
	11–12	2.94 (2.91–2.98)	2.98 (2.94–3.01)	2.97 (2.94–3.0)	3.03 (3.0–3.06)	3.01 (2.98–3.04)	3.05 (3.02–3.08)	3.08 (3.05–3.11)
	12–13	2.49 (2.46–2.53)	2.52 (2.48–2.55)	2.53 (2.5–2.56)	2.58 (2.55–2.62)	2.58 (2.54–2.61)	2.59 (2.55–2.62)	2.62 (2.58–2.65)

	13–14	2.14 (2.11–2.18)	2.19 (2.15–2.23)	2.19 (2.15–2.22)	2.23 (2.19–2.26)	2.23 (2.19–2.26)	2.24 (2.21–2.28)	2.25 (2.21–2.28)
	14–15	1.89 (1.85–1.94)	1.96 (1.91–2.01)	1.92 (1.87–1.96)	1.97 (1.92–2.01)	1.97 (1.92–2.01)	1.98 (1.93–2.02)	1.98 (1.94–2.02)
	15–16	1.73 (1.66–1.79)	1.78 (1.71–1.84)	1.75 (1.69–1.81)	1.79 (1.73–1.86)	1.79 (1.73–1.85)	1.81 (1.74–1.87)	1.79 (1.73–1.85)
	16–17	1.58 (1.49–1.66)	1.68 (1.57–1.78)	1.61 (1.52–1.69)	1.68 (1.58–1.77)	1.66 (1.57–1.74)	1.7 (1.6–1.79)	1.66 (1.58–1.75)
	17+	1.55 (1.41–1.68)	1.63 (1.47–1.78)	1.49 (1.36–1.62)	1.6 (1.45–1.75)	1.56 (1.43–1.68)	1.6 (1.46–1.73)	1.57 (1.44–1.69)
Giant	0–1	9.1 (8.92–9.27)	9.44 (9.27–9.61)	9.48 (9.31–9.66)	9.43 (9.27–9.58)	9.53 (9.39–9.68)	9.82 (9.63–10.02)	9.7 (9.54–9.85)
	1–2	8.38 (8.21–8.55)	8.7 (8.53–8.87)	8.77 (8.6–8.95)	8.69 (8.54–8.85)	8.77 (8.62–8.91)	9.05 (8.85–9.24)	8.93 (8.78–9.08)
	2–3	7.55 (7.37–7.72)	7.84 (7.67–8.0)	7.94 (7.76–8.12)	7.86 (7.71–8.02)	7.93 (7.79–8.08)	8.19 (8.0–8.39)	8.08 (7.93–8.23)
	3–4	6.71 (6.54–6.88)	6.98 (6.82–7.15)	7.1 (6.92–7.27)	7.04 (6.89–7.19)	7.11 (6.96–7.25)	7.34 (7.14–7.53)	7.21 (7.06–7.36)
	4–5	5.9 (5.73–6.07)	6.12 (5.96–6.29)	6.26 (6.08–6.43)	6.21 (6.06–6.36)	6.27 (6.13–6.41)	6.47 (6.27–6.66)	6.37 (6.22–6.51)
	5–6	5.1 (4.93–5.27)	5.35 (5.18–5.52)	5.51 (5.33–5.68)	5.4 (5.26–5.55)	5.46 (5.32–5.6)	5.64 (5.44–5.84)	5.59 (5.44–5.73)
	6–7	4.36 (4.19–4.54)	4.65 (4.48–4.82)	4.8 (4.61–4.98)	4.64 (4.49–4.79)	4.75 (4.61–4.89)	4.97 (4.77–5.17)	4.87 (4.72–5.01)
	7–8	3.76 (3.59–3.94)	3.98 (3.81–4.15)	4.19 (4.0–4.38)	4.03 (3.88–4.18)	4.1 (3.96–4.24)	4.36 (4.15–4.57)	4.21 (4.07–4.36)
	8–9	3.26 (3.07–3.44)	3.44 (3.26–3.62)	3.63 (3.43–3.82)	3.43 (3.28–3.58)	3.55 (3.41–3.69)	3.82 (3.59–4.05)	3.64 (3.5–3.79)
	9–10	2.92 (2.71–3.12)	2.94 (2.75–3.12)	3.15 (2.93–3.36)	3.03 (2.86–3.2)	3.04 (2.89–3.18)	3.41 (3.16–3.67)	3.18 (3.02–3.34)
	10–11	2.63 (2.4–2.87)	2.54 (2.33–2.74)	2.78 (2.53–3.02)	2.66 (2.47–2.84)	2.67 (2.51–2.84)	3.14 (2.83–3.44)	2.82 (2.64–2.99)
	11–12	2.34 (2.06–2.62)	2.28 (2.03–2.54)	2.5 (2.2–2.79)	2.36 (2.14–2.58)	2.3 (2.11–2.48)	2.91 (2.54–3.29)	2.52 (2.31–2.72)
	12–13	2.16 (1.81–2.51)	2.11 (1.78–2.43)	2.37 (2.0–2.74)	2.15 (1.87–2.42)	2.08 (1.86–2.31)	2.77 (2.29–3.26)	2.32 (2.06–2.57)
	13+	1.89 (1.44–2.34)	2.09 (1.63–2.55)	2.19 (1.71–2.67)	1.95 (1.6–2.31)	1.73 (1.46–2.0)	2.73 (2.08–3.39)	2.08 (1.75–2.41)
Mixed-breed dogs	0–1	12.15 (12.02–12.28)	12.4 (12.27–12.54)	12.53 (12.4–12.65)	12.66 (12.54–12.78)	12.92 (12.8–13.03)	12.98 (12.87–13.09)	12.98 (12.88–13.08)
	1–2	11.69 (11.56–11.82)	11.95 (11.82–12.08)	12.0 (11.88–12.11)	12.04 (11.92–12.15)	12.31 (12.2–12.42)	12.29 (12.19–12.4)	12.34 (12.24–12.43)
	2–3	10.88 (10.75–11.01)	11.11 (10.98–11.23)	11.1 (10.98–11.21)	11.19 (11.08–11.3)	11.43 (11.32–11.54)	11.39 (11.29–11.49)	11.45 (11.35–11.54)
	3–4	10.02 (9.89–10.14)	10.22 (10.09–10.34)	10.2 (10.09–10.32)	10.29 (10.18–10.4)	10.53 (10.42–10.63)	10.51 (10.4–10.61)	10.53 (10.44–10.62)
	4–5	9.13 (9.01–9.26)	9.32 (9.2–9.45)	9.29 (9.18–9.4)	9.41 (9.3–9.51)	9.63 (9.53–9.74)	9.61 (9.5–9.71)	9.61 (9.52–9.7)
	5–6	8.25 (8.13–8.37)	8.41 (8.29–8.53)	8.4 (8.29–8.51)	8.51 (8.4–8.61)	8.71 (8.61–8.81)	8.67 (8.58–8.77)	8.71 (8.62–8.79)
	6–7	7.39 (7.27–7.51)	7.5 (7.38–7.62)	7.51 (7.4–7.61)	7.64 (7.53–7.74)	7.83 (7.72–7.93)	7.81 (7.71–7.91)	7.82 (7.73–7.9)
	7–8	6.52 (6.4–6.64)	6.64 (6.53–6.76)	6.64 (6.54–6.75)	6.76 (6.65–6.86)	6.96 (6.86–7.06)	6.92 (6.82–7.02)	6.94 (6.85–7.02)
	8–9	5.69 (5.58–5.81)	5.85 (5.73–5.96)	5.83 (5.72–5.93)	5.94 (5.84–6.04)	6.13 (6.03–6.23)	6.11 (6.01–6.2)	6.06 (5.98–6.15)
	9–10	4.93 (4.82–5.04)	5.08 (4.97–5.19)	5.04 (4.94–5.14)	5.16 (5.06–5.25)	5.32 (5.22–5.42)	5.35 (5.25–5.44)	5.28 (5.2–5.36)
	10–11	4.26 (4.15–4.37)	4.4 (4.29–4.51)	4.34 (4.24–4.44)	4.43 (4.34–4.53)	4.57 (4.48–4.67)	4.63 (4.54–4.72)	4.55 (4.47–4.63)
	11–12	3.65 (3.54–3.76)	3.75 (3.63–3.86)	3.69 (3.59–3.79)	3.79 (3.69–3.88)	3.92 (3.83–4.02)	3.95 (3.86–4.04)	3.91 (3.83–3.99)
	12–13	3.12 (3.01–3.23)	3.17 (3.06–3.28)	3.14 (3.04–3.24)	3.24 (3.14–3.33)	3.32 (3.22–3.41)	3.32 (3.23–3.41)	3.29 (3.21–3.37)
	13–14	2.67 (2.55–2.78)	2.76 (2.64–2.88)	2.66 (2.56–2.77)	2.72 (2.62–2.81)	2.83 (2.73–2.93)	2.82 (2.73–2.92)	2.82 (2.73–2.9)
	14–15	2.32 (2.2–2.44)	2.43 (2.3–2.57)	2.29 (2.18–2.4)	2.3 (2.2–2.4)	2.44 (2.33–2.55)	2.46 (2.35–2.56)	2.42 (2.33–2.52)
	15–16	2.02 (1.87–2.16)	2.15 (1.99–2.31)	2.01 (1.88–2.14)	2.03 (1.92–2.14)	2.08 (1.95–2.2)	2.18 (2.06–2.31)	2.15 (2.04–2.26)
	16–17	1.84 (1.65–2.03)	2.02 (1.8–2.23)	1.88 (1.7–2.06)	1.8 (1.66–1.94)	1.92 (1.76–2.08)	1.96 (1.8–2.12)	1.93 (1.79–2.07)

	17+	1.73 (1.47–1.99)	1.89 (1.59–2.2)	1.85 (1.59–2.11)	1.56 (1.38–1.75)	1.75 (1.53–1.97)	1.85 (1.64–2.07)	1.72 (1.53–1.9)
Cats LE, years (95% CI)								
Purebred cats	0–1	10.84 (10.69–11.0)	11.03 (10.87–11.18)	11.4 (11.25–11.56)	11.65 (11.5–11.81)	11.76 (11.61–11.91)	12.1 (11.95–12.25)	11.85 (11.71–12.0)
	1–2	10.37 (10.22–10.52)	10.58 (10.43–10.74)	10.91 (10.76–11.06)	11.12 (10.97–11.27)	11.25 (11.1–11.4)	11.55 (11.4–11.69)	11.39 (11.25–11.53)
	2–3	9.69 (9.54–9.84)	9.9 (9.75–10.04)	10.22 (10.07–10.37)	10.42 (10.27–10.56)	10.55 (10.41–10.69)	10.8 (10.66–10.94)	10.64 (10.5–10.78)
	3–4	9.01 (8.87–9.15)	9.17 (9.03–9.31)	9.49 (9.35–9.63)	9.65 (9.51–9.79)	9.77 (9.64–9.91)	10.08 (9.94–10.21)	9.83 (9.7–9.97)
	4–5	8.29 (8.15–8.43)	8.44 (8.3–8.57)	8.74 (8.6–8.87)	8.88 (8.74–9.01)	8.99 (8.86–9.12)	9.27 (9.14–9.41)	9.05 (8.92–9.18)
	5–6	7.62 (7.49–7.75)	7.7 (7.57–7.83)	8.0 (7.88–8.13)	8.12 (7.99–8.25)	8.22 (8.09–8.35)	8.46 (8.33–8.59)	8.36 (8.24–8.49)
	6–7	6.92 (6.8–7.05)	6.98 (6.86–7.11)	7.28 (7.15–7.4)	7.43 (7.3–7.55)	7.49 (7.37–7.61)	7.75 (7.62–7.87)	7.61 (7.49–7.73)
	7–8	6.23 (6.12–6.35)	6.29 (6.17–6.41)	6.57 (6.45–6.69)	6.76 (6.64–6.87)	6.76 (6.64–6.88)	7.0 (6.88–7.12)	6.89 (6.77–7.0)
	8–9	5.58 (5.47–5.7)	5.63 (5.52–5.74)	5.92 (5.81–6.04)	6.11 (6.0–6.22)	6.05 (5.94–6.16)	6.31 (6.2–6.42)	6.21 (6.11–6.32)
	9–10	4.99 (4.89–5.1)	4.98 (4.88–5.09)	5.33 (5.22–5.44)	5.48 (5.37–5.58)	5.42 (5.31–5.52)	5.63 (5.52–5.73)	5.57 (5.47–5.67)
	10–11	4.38 (4.28–4.48)	4.46 (4.36–4.56)	4.67 (4.57–4.77)	4.8 (4.7–4.9)	4.81 (4.71–4.91)	4.96 (4.86–5.06)	4.91 (4.81–5.01)
	11–12	3.88 (3.78–3.98)	4.03 (3.93–4.12)	4.2 (4.1–4.3)	4.26 (4.16–4.35)	4.27 (4.17–4.36)	4.45 (4.35–4.54)	4.38 (4.29–4.48)
	12–13	3.43 (3.34–3.52)	3.53 (3.44–3.62)	3.69 (3.6–3.78)	3.76 (3.67–3.85)	3.71 (3.62–3.8)	3.93 (3.83–4.02)	3.84 (3.76–3.93)
	13–14	3.05 (2.96–3.14)	3.11 (3.02–3.19)	3.22 (3.13–3.3)	3.29 (3.2–3.38)	3.31 (3.22–3.39)	3.43 (3.34–3.52)	3.35 (3.27–3.44)
	14–15	2.72 (2.63–2.8)	2.75 (2.67–2.84)	2.81 (2.72–2.89)	2.91 (2.82–2.99)	2.93 (2.85–3.02)	3.03 (2.94–3.12)	2.92 (2.84–3.01)
	15–16	2.39 (2.3–2.47)	2.45 (2.36–2.53)	2.54 (2.46–2.63)	2.51 (2.42–2.59)	2.63 (2.54–2.72)	2.66 (2.57–2.75)	2.61 (2.53–2.7)
	16–17	2.13 (2.04–2.22)	2.19 (2.09–2.28)	2.23 (2.14–2.33)	2.22 (2.13–2.31)	2.34 (2.25–2.44)	2.37 (2.27–2.46)	2.35 (2.25–2.44)
	17+	1.93 (1.82–2.03)	2.0 (1.89–2.11)	2.04 (1.92–2.15)	2.0 (1.89–2.1)	2.13 (2.02–2.24)	2.1 (1.99–2.22)	2.14 (2.03–2.26)
Mixed-breed cats	0–1	10.29 (10.22–10.35)	10.44 (10.37–10.5)	10.83 (10.76–10.89)	11.24 (11.17–11.3)	11.43 (11.37–11.49)	11.79 (11.72–11.85)	11.69 (11.63–11.76)
	1–2	9.97 (9.91–10.04)	10.13 (10.07–10.2)	10.45 (10.39–10.52)	10.82 (10.76–10.88)	11.0 (10.94–11.07)	11.32 (11.26–11.39)	11.24 (11.18–11.31)
	2–3	9.36 (9.3–9.43)	9.48 (9.42–9.55)	9.8 (9.74–9.87)	10.15 (10.08–10.21)	10.34 (10.28–10.4)	10.63 (10.57–10.69)	10.55 (10.49–10.61)
	3–4	8.71 (8.65–8.77)	8.82 (8.76–8.88)	9.1 (9.04–9.16)	9.43 (9.37–9.49)	9.62 (9.56–9.68)	9.88 (9.82–9.94)	9.81 (9.75–9.87)
	4–5	8.04 (7.98–8.1)	8.14 (8.08–8.2)	8.4 (8.34–8.45)	8.69 (8.63–8.75)	8.88 (8.82–8.94)	9.11 (9.05–9.17)	9.06 (9.0–9.11)
	5–6	7.35 (7.29–7.4)	7.44 (7.38–7.5)	7.69 (7.63–7.75)	7.95 (7.89–8.01)	8.12 (8.07–8.18)	8.34 (8.28–8.39)	8.3 (8.24–8.35)
	6–7	6.68 (6.63–6.74)	6.79 (6.74–6.85)	7.0 (6.94–7.05)	7.26 (7.2–7.31)	7.39 (7.34–7.44)	7.6 (7.54–7.65)	7.56 (7.51–7.62)
	7–8	6.01 (5.96–6.07)	6.14 (6.08–6.19)	6.29 (6.24–6.35)	6.55 (6.5–6.6)	6.67 (6.62–6.72)	6.86 (6.81–6.91)	6.83 (6.78–6.88)
	8–9	5.38 (5.33–5.43)	5.5 (5.45–5.55)	5.65 (5.6–5.7)	5.86 (5.81–5.9)	5.97 (5.93–6.02)	6.15 (6.1–6.2)	6.13 (6.08–6.18)
	9–10	4.81 (4.76–4.85)	4.92 (4.87–4.97)	5.05 (5.01–5.1)	5.23 (5.19–5.28)	5.32 (5.28–5.37)	5.49 (5.45–5.54)	5.5 (5.45–5.54)
	10–11	4.22 (4.18–4.27)	4.36 (4.31–4.4)	4.47 (4.42–4.51)	4.63 (4.59–4.68)	4.71 (4.67–4.75)	4.86 (4.81–4.9)	4.87 (4.82–4.91)
	11–12	3.78 (3.74–3.82)	3.89 (3.85–3.93)	3.98 (3.93–4.02)	4.14 (4.09–4.18)	4.18 (4.14–4.22)	4.32 (4.28–4.36)	4.34 (4.3–4.38)
	12–13	3.32 (3.28–3.36)	3.39 (3.35–3.43)	3.48 (3.44–3.52)	3.63 (3.59–3.67)	3.65 (3.61–3.69)	3.78 (3.74–3.82)	3.8 (3.76–3.84)
	13–14	2.94 (2.9–2.98)	2.98 (2.94–3.02)	3.08 (3.04–3.12)	3.18 (3.14–3.21)	3.22 (3.18–3.26)	3.35 (3.31–3.39)	3.34 (3.3–3.38)
	14–15	2.6 (2.56–2.63)	2.62 (2.59–2.66)	2.71 (2.68–2.75)	2.77 (2.74–2.81)	2.81 (2.77–2.85)	2.96 (2.92–3.0)	2.94 (2.9–2.98)
	15–16	2.29 (2.25–2.32)	2.32 (2.28–2.36)	2.38 (2.35–2.42)	2.46 (2.42–2.49)	2.47 (2.43–2.51)	2.62 (2.57–2.66)	2.61 (2.57–2.65)

	16–17	2.07 (2.03–2.11)	2.07 (2.03–2.1)	2.12 (2.08–2.16)	2.21 (2.17–2.25)	2.21 (2.17–2.25)	2.32 (2.28–2.37)	2.34 (2.3–2.38)
	17+	1.87 (1.82–1.91)	1.88 (1.83–1.92)	1.91 (1.87–1.96)	2.0 (1.95–2.04)	1.98 (1.93–2.02)	2.1 (2.05–2.15)	2.09 (2.04–2.14)

Dogs by size group are purebred dogs only.

CI, confidence interval; LE, life expectancy.

Supplementary Table 9. Life expectancies of dogs and cats by age interval and sex

Age interval, years	Life expectancy, years (95% confidence interval)			
	Dogs		Cats	
	Female	Male	Female	Male
0–1	12.76 (12.75–12.77)	12.63 (12.62–12.64)	11.68 (11.65–11.71)	10.72 (10.68–10.75)
1–2	12.09 (12.08–12.11)	11.98 (11.97–11.99)	11.25 (11.22–11.29)	10.33 (10.3–10.36)
2–3	11.21 (11.2–11.22)	11.11 (11.1–11.12)	10.54 (10.51–10.57)	9.7 (9.67–9.73)
3–4	10.3 (10.29–10.31)	10.22 (10.21–10.24)	9.76 (9.73–9.79)	9.04 (9.01–9.07)
4–5	9.4 (9.39–9.41)	9.33 (9.32–9.35)	8.98 (8.95–9.01)	8.36 (8.34–8.39)
5–6	8.5 (8.49–8.51)	8.45 (8.44–8.46)	8.2 (8.17–8.23)	7.67 (7.64–7.7)
6–7	7.62 (7.61–7.64)	7.58 (7.57–7.6)	7.45 (7.42–7.48)	7.01 (6.98–7.04)
7–8	6.77 (6.76–6.78)	6.74 (6.73–6.75)	6.71 (6.68–6.74)	6.34 (6.31–6.36)
8–9	5.95 (5.94–5.96)	5.94 (5.92–5.95)	6.01 (5.99–6.04)	5.69 (5.66–5.71)
9–10	5.19 (5.18–5.2)	5.19 (5.18–5.2)	5.37 (5.34–5.39)	5.09 (5.07–5.12)
10–11	4.49 (4.48–4.5)	4.51 (4.5–4.52)	4.74 (4.72–4.76)	4.5 (4.48–4.52)
11–12	3.86 (3.85–3.87)	3.9 (3.89–3.91)	4.21 (4.19–4.23)	4.03 (4.01–4.05)
12–13	3.3 (3.29–3.31)	3.36 (3.35–3.37)	3.68 (3.66–3.69)	3.54 (3.52–3.56)
13–14	2.84 (2.82–2.85)	2.9 (2.89–2.91)	3.23 (3.21–3.25)	3.12 (3.1–3.14)
14–15	2.46 (2.44–2.47)	2.53 (2.51–2.54)	2.83 (2.82–2.85)	2.75 (2.73–2.77)
15–16	2.18 (2.16–2.19)	2.24 (2.22–2.26)	2.5 (2.49–2.52)	2.43 (2.41–2.45)
16–17	1.99 (1.97–2.01)	2.04 (2.01–2.06)	2.23 (2.21–2.24)	2.19 (2.16–2.21)
17 +	1.89 (1.86–1.92)	1.91 (1.88–1.94)	2.01 (1.99–2.03)	1.97 (1.94–1.99)

Supplementary Table 10. Life expectancies of purebred and mixed-breed dogs and cats by age interval and sex

	Age interval, years	Sex	
		Female	Male
Dogs LE, years (95% CI)			
Toy	0–1	13.32 (13.28–13.35)	13.39 (13.36–13.42)
	1–2	12.76 (12.73–12.79)	12.85 (12.82–12.88)
	2–3	11.9 (11.87–11.93)	12.0 (11.97–12.03)
	3–4	11.0 (10.97–11.03)	11.12 (11.09–11.15)
	4–5	10.1 (10.08–10.13)	10.23 (10.2–10.26)
	5–6	9.21 (9.18–9.24)	9.34 (9.31–9.37)
	6–7	8.33 (8.3–8.36)	8.46 (8.43–8.48)
	7–8	7.46 (7.43–7.49)	7.58 (7.56–7.61)
	8–9	6.61 (6.58–6.64)	6.73 (6.7–6.76)
	9–10	5.82 (5.79–5.85)	5.93 (5.9–5.96)
	10–11	5.07 (5.04–5.1)	5.18 (5.15–5.2)
	11–12	4.38 (4.35–4.41)	4.49 (4.46–4.52)
	12–13	3.76 (3.73–3.79)	3.86 (3.83–3.89)
	13–14	3.22 (3.19–3.25)	3.3 (3.27–3.33)
	14–15	2.76 (2.72–2.79)	2.82 (2.79–2.86)
	15–16	2.42 (2.38–2.46)	2.44 (2.4–2.48)
	16–17	2.21 (2.16–2.26)	2.18 (2.13–2.23)
	17+	2.07 (2.0–2.14)	2.02 (1.95–2.09)
Small	0–1	13.55 (13.52–13.57)	13.52 (13.5–13.55)
	1–2	12.82 (12.8–12.85)	12.82 (12.79–12.84)
	2–3	11.93 (11.9–11.95)	11.92 (11.9–11.94)
	3–4	11.0 (10.98–11.03)	11.01 (10.99–11.03)
	4–5	10.09 (10.07–10.11)	10.11 (10.09–10.13)
	5–6	9.19 (9.17–9.21)	9.21 (9.19–9.23)
	6–7	8.3 (8.27–8.32)	8.31 (8.29–8.33)
	7–8	7.42 (7.4–7.44)	7.43 (7.41–7.45)
	8–9	6.56 (6.54–6.58)	6.58 (6.56–6.6)

	9–10	5.76 (5.74–5.78)	5.77 (5.75–5.79)
	10–11	5.0 (4.98–5.02)	5.02 (5.0–5.04)
	11–12	4.3 (4.28–4.32)	4.33 (4.31–4.35)
	12–13	3.66 (3.64–3.68)	3.7 (3.68–3.72)
	13–14	3.11 (3.09–3.13)	3.15 (3.12–3.17)
	14–15	2.65 (2.62–2.67)	2.69 (2.66–2.71)
	15–16	2.29 (2.27–2.32)	2.33 (2.31–2.36)
	16–17	2.06 (2.02–2.09)	2.1 (2.06–2.13)
	17+	1.95 (1.9–2.0)	1.96 (1.91–2.0)
Medium	0–1	12.8 (12.77–12.83)	12.6 (12.57–12.63)
	1–2	12.04 (12.01–12.07)	11.83 (11.8–11.86)
	2–3	11.12 (11.09–11.15)	10.93 (10.9–10.96)
	3–4	10.19 (10.17–10.22)	10.03 (10.0–10.05)
	4–5	9.27 (9.25–9.3)	9.12 (9.09–9.15)
	5–6	8.36 (8.34–8.39)	8.23 (8.2–8.26)
	6–7	7.47 (7.45–7.5)	7.35 (7.32–7.37)
	7–8	6.6 (6.58–6.63)	6.48 (6.46–6.51)
	8–9	5.78 (5.75–5.8)	5.67 (5.64–5.69)
	9–10	5.0 (4.98–5.03)	4.9 (4.87–4.92)
	10–11	4.28 (4.26–4.3)	4.2 (4.17–4.22)
	11–12	3.65 (3.63–3.67)	3.58 (3.56–3.6)
	12–13	3.09 (3.06–3.11)	3.05 (3.02–3.07)
	13–14	2.61 (2.59–2.64)	2.6 (2.57–2.62)
	14–15	2.24 (2.22–2.27)	2.25 (2.22–2.29)
	15–16	1.97 (1.94–2.0)	2.02 (1.98–2.06)
	16–17	1.81 (1.77–1.86)	1.87 (1.81–1.93)
	17+	1.73 (1.67–1.8)	1.79 (1.71–1.87)
Large	0–1	11.74 (11.72–11.76)	11.28 (11.26–11.3)
	1–2	11.06 (11.04–11.08)	10.62 (10.6–10.64)
	2–3	10.18 (10.16–10.2)	9.75 (9.73–9.77)
	3–4	9.27 (9.25–9.29)	8.87 (8.85–8.89)
	4–5	8.37 (8.35–8.38)	7.98 (7.96–8.0)
	5–6	7.47 (7.45–7.49)	7.1 (7.09–7.12)

	6–7	6.6 (6.59–6.62)	6.26 (6.24–6.27)
	7–8	5.77 (5.75–5.79)	5.44 (5.43–5.46)
	8–9	4.99 (4.97–5.0)	4.69 (4.68–4.71)
	9–10	4.27 (4.26–4.29)	4.01 (4.0–4.03)
	10–11	3.64 (3.62–3.66)	3.42 (3.41–3.44)
	11–12	3.1 (3.09–3.12)	2.91 (2.9–2.93)
	12–13	2.63 (2.61–2.65)	2.48 (2.46–2.5)
	13–14	2.27 (2.25–2.29)	2.14 (2.12–2.16)
	14–15	1.99 (1.97–2.01)	1.91 (1.88–1.93)
	15–16	1.8 (1.77–1.83)	1.74 (1.71–1.78)
	16–17	1.67 (1.62–1.71)	1.63 (1.58–1.68)
	17+	1.58 (1.52–1.65)	1.55 (1.47–1.62)
	Giant		
	0–1	9.76 (9.66–9.85)	9.33 (9.24–9.41)
	1–2	9.01 (8.91–9.1)	8.59 (8.51–8.67)
	2–3	8.13 (8.04–8.22)	7.77 (7.69–7.85)
	3–4	7.27 (7.18–7.36)	6.94 (6.86–7.02)
	4–5	6.41 (6.32–6.5)	6.11 (6.03–6.19)
	5–6	5.59 (5.5–5.68)	5.34 (5.26–5.42)
	6–7	4.86 (4.77–4.95)	4.64 (4.56–4.72)
	7–8	4.2 (4.11–4.29)	4.03 (3.95–4.11)
	8–9	3.62 (3.52–3.71)	3.5 (3.41–3.58)
	9–10	3.12 (3.02–3.22)	3.09 (2.99–3.18)
	10–11	2.73 (2.62–2.84)	2.77 (2.67–2.88)
	11–12	2.41 (2.28–2.54)	2.5 (2.38–2.63)
	12–13	2.23 (2.06–2.4)	2.31 (2.15–2.46)
	13+	2.03 (1.8–2.26)	2.11 (1.91–2.3)
	Mixed-breed dogs		
	0–1	12.81 (12.75–12.87)	12.61 (12.54–12.67)
	1–2	12.2 (12.14–12.25)	12.05 (11.99–12.11)
	2–3	11.32 (11.26–11.37)	11.19 (11.13–11.25)
	3–4	10.41 (10.36–10.47)	10.3 (10.24–10.36)
	4–5	9.5 (9.45–9.56)	9.42 (9.36–9.48)
	5–6	8.6 (8.54–8.65)	8.51 (8.45–8.57)
	6–7	7.71 (7.66–7.76)	7.63 (7.57–7.69)
	7–8	6.83 (6.78–6.88)	6.76 (6.7–6.82)

	8–9	6.0 (5.95–6.05)	5.93 (5.88–5.99)
	9–10	5.22 (5.17–5.27)	5.15 (5.1–5.21)
	10–11	4.5 (4.45–4.55)	4.45 (4.4–4.51)
	11–12	3.85 (3.81–3.9)	3.8 (3.74–3.86)
	12–13	3.25 (3.21–3.3)	3.23 (3.17–3.28)
	13–14	2.77 (2.72–2.82)	2.76 (2.7–2.82)
	14–15	2.39 (2.34–2.44)	2.39 (2.32–2.45)
	15–16	2.1 (2.04–2.17)	2.08 (2.01–2.16)
	16–17	1.92 (1.84–2.0)	1.9 (1.8–2.0)
	17+	1.76 (1.65–1.86)	1.77 (1.63–1.91)
Cats LE, years (CI 95%)			
Purebred cats	0–1	11.98 (11.91–12.06)	11.05 (10.97–11.14)
	1–2	11.47 (11.39–11.54)	10.58 (10.5–10.66)
	2–3	10.72 (10.65–10.8)	9.9 (9.82–9.98)
	3–4	9.93 (9.86–10.0)	9.21 (9.13–9.28)
	4–5	9.12 (9.05–9.19)	8.49 (8.42–8.57)
	5–6	8.34 (8.28–8.41)	7.79 (7.72–7.86)
	6–7	7.59 (7.53–7.65)	7.11 (7.04–7.18)
	7–8	6.85 (6.79–6.91)	6.44 (6.37–6.5)
	8–9	6.15 (6.09–6.2)	5.8 (5.74–5.87)
	9–10	5.49 (5.44–5.54)	5.2 (5.14–5.26)
	10–11	4.82 (4.77–4.87)	4.61 (4.55–4.67)
	11–12	4.3 (4.25–4.35)	4.13 (4.07–4.18)
	12–13	3.77 (3.72–3.81)	3.64 (3.58–3.69)
	13–14	3.31 (3.26–3.35)	3.19 (3.14–3.24)
	14–15	2.91 (2.86–2.95)	2.83 (2.78–2.88)
	15–16	2.58 (2.54–2.62)	2.51 (2.46–2.56)
	16–17	2.27 (2.23–2.32)	2.26 (2.2–2.32)
	17+	2.06 (2.0–2.11)	2.04 (1.98–2.11)
Mixed-breed cats	0–1	11.62 (11.58–11.65)	10.66 (10.63–10.7)
	1–2	11.21 (11.17–11.24)	10.29 (10.26–10.32)
	2–3	10.5 (10.46–10.53)	9.67 (9.63–9.7)
	3–4	9.73 (9.7–9.76)	9.01 (8.98–9.05)

4–5	8.95 (8.92–8.98)	8.34 (8.31–8.37)
5–6	8.17 (8.14–8.2)	7.65 (7.62–7.68)
6–7	7.42 (7.39–7.45)	6.99 (6.96–7.02)
7–8	6.68 (6.65–6.71)	6.32 (6.29–6.35)
8–9	5.98 (5.96–6.01)	5.67 (5.64–5.69)
9–10	5.34 (5.31–5.36)	5.07 (5.05–5.1)
10–11	4.72 (4.7–4.75)	4.48 (4.46–4.51)
11–12	4.19 (4.17–4.21)	4.01 (3.99–4.03)
12–13	3.66 (3.63–3.68)	3.52 (3.5–3.54)
13–14	3.22 (3.2–3.24)	3.11 (3.09–3.13)
14–15	2.82 (2.8–2.84)	2.74 (2.72–2.76)
15–16	2.49 (2.47–2.51)	2.42 (2.4–2.44)
16–17	2.21 (2.19–2.24)	2.17 (2.15–2.2)
17+	2.0 (1.97–2.02)	1.95 (1.92–1.98)

Dogs by size group are purebred dogs only.

CI, confidence interval; LE, life expectancy.

Supplementary Table 11. Life expectancies of dogs by age interval and body condition score

Age interval, years	BCS 1			BCS 2			BCS 3			BCS 4			BCS 5		
	P(x)	d(x)	LE, years (95% CI)	P(x)	d(x)	LE, years (95% CI)	P(x)	d(x)	LE, years 95% CI	P(x)	d(x)	LE, years (95% CI)	P(x)	d(x)	LE, years (95% CI)
0–1	1,815	1,366	1.54 (1.49–1.6)	16,426	6,905	3.91 (3.86–3.97)	1,429,166	33,080	13.18 (13.16–13.19)	149,434	142	13.14 (13.12–13.16)	6,078	2	11.71 (11.66–11.77)
1–2	520	225	2.16 (2.07–2.26)	7,434	1,100	4.89 (4.82–4.96)	1,107,541	11,810	12.48 (12.47–12.49)	204,373	446	12.15 (12.14–12.17)	8,425	18	10.72 (10.67–10.77)
2–3	417	174	2.08 (1.98–2.18)	5,666	866	4.59 (4.52–4.66)	917,654	8,857	11.61 (11.6–11.62)	240,622	885	11.18 (11.16–11.2)	10,702	50	9.74 (9.69–9.79)
3–4	367	194	1.92 (1.82–2.01)	4,670	772	4.27 (4.2–4.33)	806,362	8,453	10.72 (10.7–10.73)	266,749	1,551	10.22 (10.2–10.23)	13,212	131	8.78 (8.73–8.83)
4–5	376	184	1.94 (1.85–2.03)	4,269	788	3.94 (3.88–4.0)	752,826	8,977	9.82 (9.81–9.83)	291,878	2,525	9.27 (9.26–9.29)	15,734	263	7.87 (7.82–7.91)
5–6	406	203	1.87 (1.79–1.95)	4,388	910	3.64 (3.59–3.7)	686,235	10,321	8.93 (8.92–8.95)	297,657	3,858	8.35 (8.33–8.37)	17,687	440	6.99 (6.94–7.04)
6–7	428	228	1.78 (1.71–1.86)	4,660	1,077	3.37 (3.32–3.42)	620,330	11,653	8.06 (8.05–8.07)	289,853	5,550	7.45 (7.44–7.47)	18,446	716	6.15 (6.11–6.2)
7–8	567	312	1.72 (1.65–1.78)	5,438	1,411	3.12 (3.08–3.16)	578,600	14,686	7.21 (7.19–7.22)	282,704	8,305	6.59 (6.57–6.6)	18,858	1,118	5.38 (5.33–5.42)
8–9	689	413	1.64 (1.59–1.69)	6,657	1,928	2.9 (2.87–2.94)	524,971	19,652	6.38 (6.37–6.39)	257,944	11,445	5.77 (5.75–5.79)	18,138	1,573	4.67 (4.63–4.72)
9–10	648	374	1.62 (1.56–1.67)	7,284	2,169	2.72 (2.69–2.75)	460,179	24,892	5.6 (5.59–5.61)	222,199	15,094	5.01 (4.99–5.02)	15,990	1,959	4.05 (4.01–4.1)
10–11	880	564	1.52 (1.48–1.56)	8,926	3,053	2.49 (2.47–2.52)	401,897	30,595	4.89 (4.87–4.9)	187,142	18,589	4.33 (4.31–4.34)	13,860	2,302	3.52 (3.47–3.56)
11–12	865	543	1.48 (1.44–1.52)	9,147	3,297	2.32 (2.29–2.34)	321,975	33,904	4.23 (4.22–4.25)	140,708	19,548	3.73 (3.71–3.74)	10,404	2,241	3.06 (3.01–3.11)
12–13	1,043	726	1.38 (1.35–1.41)	10,363	4,154	2.11 (2.09–2.13)	250,004	36,720	3.65 (3.64–3.66)	100,923	19,421	3.21 (3.19–3.23)	7,417	2,162	2.68 (2.63–2.74)
13–14	1,259	921	1.32 (1.29–1.34)	10,949	4,837	1.92 (1.91–1.94)	181,725	36,586	3.15 (3.13–3.16)	65,150	16,697	2.78 (2.76–2.8)	4,683	1,612	2.43 (2.36–2.49)

14–15	1,249	945	1.26 (1.24–1.28)	9,786	5,073	1.73 (1.71–1.75)	117,064	31,356	2.74 (2.72–2.76)	36,828	12,087	2.45 (2.43–2.48)	2,440	984	2.23 (2.14–2.31)
15–16	1,167	964	1.19 (1.17–1.21)	7,276	4,264	1.59 (1.57–1.61)	64,569	22,076	2.43 (2.41–2.45)	17,496	6,917	2.22 (2.19–2.25)	1,168	561	2.1 (1.98–2.22)
16–17	761	644	1.15 (1.13–1.18)	4,190	2,659	1.5 (1.47–1.52)	29,650	12,217	2.23 (2.2–2.25)	6,966	3,114	2.07 (2.03–2.11)	445	218	2.11 (1.93–2.29)
17+	820	737	1.11 (1.09–1.14)	3,606	2,537	1.42 (1.39–1.45)	17,340	8,153	2.13 (2.09–2.16)	3,584	1,816	1.97 (1.91–2.04)	291	135	2.16 (1.89–2.42)

BCS, body condition score; CI, confidence interval; d(x), deceased study population in the age interval (x, x + 1); LE, life expectancy; P(x), total population (survivors plus deceased) at the mid-point of the age interval (x, x + 1).

Supplementary Table 12. Life expectancies of cats by age interval and body condition score

Age interval, years	BCS 1			BCS 2			BCS 3			BCS 4			BCS 5		
	P(x)	d(x)	LE, years (95% CI)	P(x)	d(x)	LE, years (95% CI)	P(x)	d(x)	LE, years (95% CI)	P(x)	d(x)	LE, years (95% CI)	P(x)	d(x)	LE, years (95% CI)
0–1	1,564	1,359	1.04 (1.01–1.06)	6,567	4,281	1.75 (1.72–1.79)	270,914	10,904	12.18 (12.14–12.21)	41,530	93	13.67 (13.62–13.71)	2,545	2	12.56 (12.45–12.66)
1–2	498	391	1.33 (1.28–1.37)	2,467	1,263	2.26 (2.21–2.31)	168,231	4,995	11.67 (11.63–11.7)	55,711	416	12.7 (12.65–12.74)	3,551	22	11.57 (11.46–11.67)
2–3	376	272	1.4 (1.34–1.45)	1,974	890	2.47 (2.41–2.53)	120,441	3,327	11.0 (10.97–11.04)	57,688	716	11.79 (11.75–11.84)	4,319	49	10.63 (10.53–10.73)
3–4	328	240	1.41 (1.35–1.47)	1,828	760	2.61 (2.55–2.68)	96,248	2,728	10.3 (10.26–10.33)	58,420	877	10.93 (10.89–10.98)	5,243	97	9.75 (9.65–9.85)
4–5	305	208	1.46 (1.4–1.53)	2,036	794	2.72 (2.66–2.79)	83,082	2,522	9.58 (9.55–9.61)	58,184	998	10.09 (10.05–10.13)	6,283	159	8.92 (8.83–9.01)
5–6	381	274	1.46 (1.4–1.52)	2,568	973	2.8 (2.74–2.86)	72,411	2,618	8.86 (8.83–8.89)	55,969	1,196	9.26 (9.21–9.3)	7,035	213	8.14 (8.05–8.23)
6–7	424	271	1.54 (1.48–1.6)	2,888	1,010	2.88 (2.82–2.93)	62,742	2,433	8.17 (8.13–8.2)	51,689	1,314	8.44 (8.4–8.49)	7,128	248	7.37 (7.29–7.46)
7–8	515	344	1.51 (1.46–1.56)	3,691	1,284	2.88 (2.83–2.93)	58,328	2,654	7.47 (7.44–7.5)	48,573	1,503	7.65 (7.61–7.69)	7,427	356	6.62 (6.53–6.7)
8–9	748	503	1.53 (1.48–1.57)	4,796	1,617	2.89 (2.84–2.93)	55,319	3,151	6.79 (6.76–6.83)	44,235	1,866	6.87 (6.83–6.92)	7,148	423	5.92 (5.84–6.0)
9–10	724	431	1.57 (1.52–1.61)	5,302	1,688	2.86 (2.82–2.89)	50,300	3,279	6.16 (6.13–6.19)	37,894	1,999	6.15 (6.11–6.19)	6,394	487	5.25 (5.17–5.33)
10–11	1,236	848	1.47 (1.44–1.51)	8,116	2,873	2.75 (2.72–2.78)	49,970	4,389	5.55 (5.52–5.57)	34,144	2,420	5.46 (5.41–5.5)	5,779	580	4.62 (4.54–4.7)
11–12	1,099	716	1.49 (1.45–1.52)	8,086	2,640	2.71 (2.68–2.74)	43,708	4,140	5.01 (4.98–5.04)	26,954	2,416	4.82 (4.78–4.86)	4,614	586	4.06 (3.98–4.14)
12–13	1,569	1,077	1.44 (1.41–1.47)	10,227	3,532	2.58 (2.55–2.6)	41,385	5,044	4.46 (4.43–4.49)	22,266	2,813	4.22 (4.18–4.27)	3,951	679	3.54 (3.46–3.62)
13–14	1,772	1,181	1.42 (1.4–1.45)	11,639	4,123	2.44 (2.42–2.47)	36,686	5,597	3.97 (3.94–4.0)	17,208	2,708	3.73 (3.68–3.77)	2,896	653	3.11 (3.02–3.2)

14–15	2,115	1,526	1.34 (1.32–1.37)	12,771	4,910	2.28 (2.26–2.3)	31,178	5,785	3.54 (3.51–3.57)	12,491	2,598	3.28 (3.23–3.33)	2,025	556	2.78 (2.68–2.87)
15–16	2,468	1,846	1.3 (1.28–1.32)	12,909	5,410	2.13 (2.11–2.15)	25,169	5,808	3.17 (3.13–3.2)	8,487	2,173	2.92 (2.87–2.98)	1,237	419	2.5 (2.39–2.62)
16–17	2,367	1,813	1.25 (1.24–1.27)	11,292	5,022	1.99 (1.97–2.01)	17,644	4,966	2.86 (2.83–2.9)	5,053	1,626	2.63 (2.57–2.7)	756	283	2.32 (2.18–2.46)
17+	6,413	5,414	1.18 (1.17–1.2)	22,028	11,936	1.85 (1.82–1.87)	22,539	8,549	2.64 (2.59–2.68)	4,809	1,961	2.45 (2.37–2.54)	627	291	2.15 (1.97–2.34)

BCS, body condition score; CI, confidence interval; $d(x)$, deceased study population in the age interval $(x, x + 1)$; LE, life expectancy; $P(x)$, total population (survivors plus deceased) at the mid-point of the age interval $(x, x + 1)$.

Supplementary Table 13. Life expectancies at birth of dogs and cats by survey year and body condition score

Year of survey	BCS 1	BCS 2	BCS 3	BCS 4	BCS 5
Dogs LE at birth, years (95% CI)					
2013	1.73 (1.61–1.85)	4.35 (4.22–4.47)	13.73 (13.68–13.78)	13.01 (12.95–13.06)	11.47 (11.3–11.63)
2014	1.57 (1.44–1.7)	3.86 (3.74–3.98)	13.04 (13.0–13.08)	12.8 (12.76–12.85)	11.08 (10.94–11.22)
2015	1.32 (1.21–1.44)	3.67 (3.53–3.8)	13.08 (13.04–13.11)	12.85 (12.81–12.9)	11.2 (11.08–11.33)
2016	1.48 (1.31–1.64)	3.78 (3.63–3.93)	13.09 (13.06–13.12)	13.13 (13.09–13.17)	11.79 (11.62–11.96)
2017	1.49 (1.32–1.67)	3.81 (3.65–3.96)	13.17 (13.14–13.2)	13.2 (13.16–13.24)	12.02 (11.89–12.16)
2018	1.48 (1.31–1.64)	3.91 (3.74–4.07)	13.21 (13.18–13.24)	13.35 (13.31–13.4)	12.24 (12.11–12.38)
2019	1.52 (1.35–1.69)	3.58 (3.43–3.73)	13.15 (13.12–13.18)	13.46 (13.42–13.51)	12.57 (12.42–12.72)
Cats LE at birth, years (95% CI)					
2013	1.07 (1.01–1.12)	2.11 (2.01–2.21)	12.88 (12.76–13.01)	13.23 (13.08–13.38)	12.12 (11.85–12.39)
2014	0.99 (0.95–1.04)	1.79 (1.71–1.87)	11.87 (11.77–11.97)	12.97 (12.84–13.09)	11.58 (11.31–11.85)
2015	1.06 (1.0–1.13)	1.69 (1.61–1.77)	12.01 (11.91–12.1)	13.33 (13.21–13.45)	12.15 (11.88–12.42)
2016	1.08 (1.0–1.16)	1.7 (1.61–1.79)	11.96 (11.87–12.05)	13.83 (13.71–13.95)	12.52 (12.25–12.78)
2017	1.01 (0.95–1.08)	1.7 (1.61–1.79)	12.09 (12.01–12.18)	13.77 (13.66–13.88)	13.04 (12.77–13.32)
2018	0.98 (0.92–1.04)	1.66 (1.58–1.75)	12.47 (12.38–12.56)	14.11 (14.0–14.22)	13.23 (12.96–13.5)

2019	1.06 (0.98–1.15)	1.51 (1.44–1.59)	12.19 (12.1–12.27)	14.19 (14.08–14.3)	13.41 (13.1–13.72)
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BCS, body condition score; CI, confidence interval; LE, life expectancy.